

Alkali-Carbonate	Reactivity	/
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## **APPARATUS / SECTION 4**

1.	Crushing Equipment, small jaw crusher capable of crushing aggregate to pass	
	2.5 mm?	
	Grinding Equipment, chatter box capable of grinding 30 g of aggregate to pass 160 µm?	

### SAMPLE SELECTION &TEST SPECIMEN PREPARATION / SECTIONS 5 & 6

- 1. CAN/CSA A23.2 1A followed to obtain field sample? .....
- 2. ASTM C 702 followed to obtain representative test sample?.....
- 3. Mass of test specimen meets requirements of Table 1?......

Table 1

Nominal maximum	Minimum mass
aggregate size, mm	of sample, kg
14 and less	2
20	3
28	4
40	5
56	10
80	18

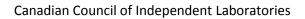
4	Test specimens	combined an	d crushed	pass 2.5	mm	sieve?	
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- 7 No loss of material on #4, 6 and 7 above?.....
- 8 Pass 150 µm specimen mixed and reduced to obtain suitable specimens for chemical analysis?.....

### **COMMENTS**

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<sup>5</sup> Crushed test specimen reduced via splitter to 30 ± 5 g? .....





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A23.2-26A-14 \_\_\_\_

### **TEST PROCEDURES / SECTION 8**

1.	State method chosen?
2.	Method qualified per section 8.2?
3	Reference materials tested and meet requirements for accuracy in Table 2?

## <u>Table 2 Maximum Permissible Variation In Results</u>

Standard Reference material (S.R.M.)	Component	Maximum difference between duplicates	Maximum difference the average of duplicates from the S.R.M. certificate values
N.I.S.T.1D	CaO	0.6%	$\pm0.5\%$
	MgO	0.1%	$\pm 0.1\%$
	$Al_2O_3$	0.1%	$\pm 0.2\%$
N.I.S.T. 88B	CaO	0.7%	$\pm0.6\%$
	MgO	0.4%	$\pm 0.5\%$
	$Al_2O_3$	0.1%	$\pm0.1\%$

4. Results report includes all pertinent data per section 9?......

#### **COMMENTS**

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